

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A method for transmitting messages on a paging channel comprising: ~~the step of first~~

determining whether a total length of overhead messages and data messages exceeds one slot; and

transmitting data messages while transmitting the overhead messages after delaying ~~them~~ one of the overhead messages and the data messages by a predetermined period on a corresponding slot, if the total length of the overhead messages and the data messages exceeds one slot when the overhead messages are transmitted at a constant overhead message transmission period.

2. (Currently Amended) The method of claim 1, further comprising ~~the steps of:~~  
transmitting only the overhead messages to be transmitted while delaying the data messages by a next overhead message transmission period if the total length of the overhead messages and the data messages to be transmitted exceeds one slot and the corresponding slot is ~~the~~ a last slot in a transmission period of the overhead messages; and

transmitting the data messages on a slot having the same number as that of the corresponding slot in the next overhead message transmission period.

3. (Currently Amended) The method of claim 1, further comprising ~~the steps of~~:  
delaying the overhead messages and the data messages to be transmitted by the next overhead message transmission period if the overhead messages are delayed by the maximum delay time period set by a system; and

transmitting the data messages on a slot having the same number as that of the corresponding slot in the next overhead message transmission period.

4. (Currently Amended) The method of claim 1, further comprising ~~the step of~~ informing terminal units in service in a corresponding sector or in an idle handoff state through a configuration change indicator (CCI) of a corrected quick paging channel whether system information has been changed.

5. (Original) The method of claim 1, wherein the overhead messages are all transmitted within one overhead message transmission period.

6. (Original) The method of claim 5, wherein the one overhead message transmission period is 16 slots.

7. (Original) The method of claim 1, wherein the overhead messages are transmitted per 2 slots.

8. (Currently Amended) A method for transmitting messages on a paging channel comprising: ~~the steps of:~~

determining whether a total length of overhead messages and data messages exceeds one slot; and

~~first~~ transmitting overhead messages while delaying data messages to be transmitted by a predetermined period, if the total length of the overhead messages and the data messages exceeds one slot when the overhead messages are transmitted at a constant overhead message transmission period; and

transmitting the data messages on a particular slot on which the overhead messages of a next overhead message transmission period are not transmitted.

9. (Original) The method of claim 8, wherein the delayed data messages are transmitted on the same slot number as that of a prior overhead message transmission period.

10. (Original) The method of claim 8, wherein the overhead messages are all transmitted within one overhead message transmission period in serial order.

11. (Original) The method of claim 10, wherein all of the overhead messages are transmitted periodically in every overhead message transmission period, the overhead messages are transmitted in a next overhead message transmission period.

12. (Original) The method of claim 10, wherein the one overhead message transmission period are 16 slots.

13. (Original) The method of claim 8, wherein the overhead messages are transmitted per two slots for all the slots.

14. (New) A method comprising:  
determining if a length of overhead messages and data burst messages to be transmitted on a slot of a paging channel exceed one slot;  
transmitting the data burst message on a specific slot;  
delaying the overhead message if the determined length exceeds one slot; and  
informing terminal units whether system information has changed in a corresponding sector or in an idle handoff state based on a configuration change indicator (CCI) of a quick paging channel.

15. (New) The method of claim 14, wherein delaying the overhead message includes delaying the overhead message to a slot on which the data burst messages are not transmitted.

16. (New) The method of claim 14, wherein delaying the overhead message includes delaying the overhead message to another overhead message transmission period.

17. (New) The method of claim 16, wherein the overhead transmission period includes 16 slots.

18. (New) A method comprising:

- determining a length of overhead messages and data messages to be transmitted on a slot of a paging channel;
- transmitting the overhead messages during a first message transmission period;
- delaying the data messages, based on the determined length, to a slot having a same number in a second overhead message transmission period; and
- informing terminal units whether system information has been changed in a corresponding sector or in an idle handoff state using configuration change indicator (CCI) of a quick paging channel.

19. (New) The method of claim 18, wherein delaying the data messages includes delaying the data message to a same slot in the second overhead message transmission period on which overhead messages are transmitted in the first overhead message transmission period.

20. (New) The method of claim 18, wherein delaying the data messages includes delaying the data message to a particular slot on which the overhead messages of the second overhead message transmission period are not transmitted.